Philonthus incertus (p. 416).

Before the locality given, insert:—NORTH AMERICA, Arizona 1 (Horn).

56 (A). Philonthus iteratus.
Rufo-testaceus, capite, prothorace abdomineque ad apicem nigris; antennis basi nigro, extrorsum ferrugineis; prothorace serie dorsali interdum 6-punctato.
Mas capite majore, mandibulis extus ad basin oblique dilatatis, femoribus anterioribus subitus in medio spinosis. Long. 10–12 millim.

Hab. MEXICO, Villa Lerdo in Durango (Höge).

Resembles almost exactly the larger examples of Belonuchus formosus, but rather larger, and with different sexual characters; also similar to P. trochanterinus and P. zuniensis, but with the trochanters simple and the mandibles of the male dilated. P. iteratus is most nearly allied to P. xanthomelas, from which it differs in the colour of the breast, coxae, antennæ, and palpi; and, moreover, has the basal joint of the hind tarsus considerably longer. Herr Höge met with a good series of this species, and no variation beyond that of the sexual characters is to be seen in it. I may mention that in addition to the characters I have previously pointed out to distinguish the males of this intricate group of species there exists another, viz. that in Belonuchus formosus the male mandibles have a simple tooth internally, while in P. xanthomelas and P. iteratus this is replaced by an elongate slightly emarginate incrasation.

84 (A). Philonthus heteropus.
Elongatus, subparallellus, niger, capite, prothorace elytrisque vix subescentibus; prothorace serie dorsali multipunctato, punctis fere grossis; tarsi posterioribus brevibus, articulo basali crasso, brevi, quam articulorum terminalis breviore.
Long. 9½ millim.

Hab. MEXICO, near the city (Höge).

Antennæ black, moderately stout, the penultimate joint about as long as broad. Head with two large punctures on each side near the eye, and with numerous coarse punctures at the hind angles. Thorax subquadrate, very shining; dorsal series of punctures rather irregular, consisting of six or seven very large impressions; outside the series there are five or six other punctures on each side, and a few near the front angles. Elytra longer than the thorax, closely and rather finely punctate. Hind body moderately closely and finely punctate.

A single mutilated female is all we have received of this interesting species, remarkably distinct on account of the short basal joint of the hind foot; notwithstanding this latter character, I think it better placed in Philonthus than in Actonioius.

84 (B). Philonthus actocharis.
Elongatus, subdepressus, niger, femoribus sordide testaceis; prothorace nigerrimo, sat crebre punctato, medio late lavigato; elytris grisescentibus, fortiter sat crebre punctatis.
Long. 9 millim.